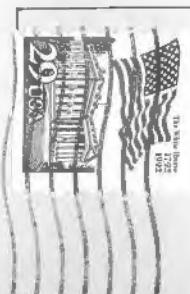
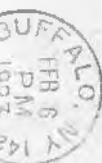




WORLDWIDE TV-FM DX ASSOCIATION



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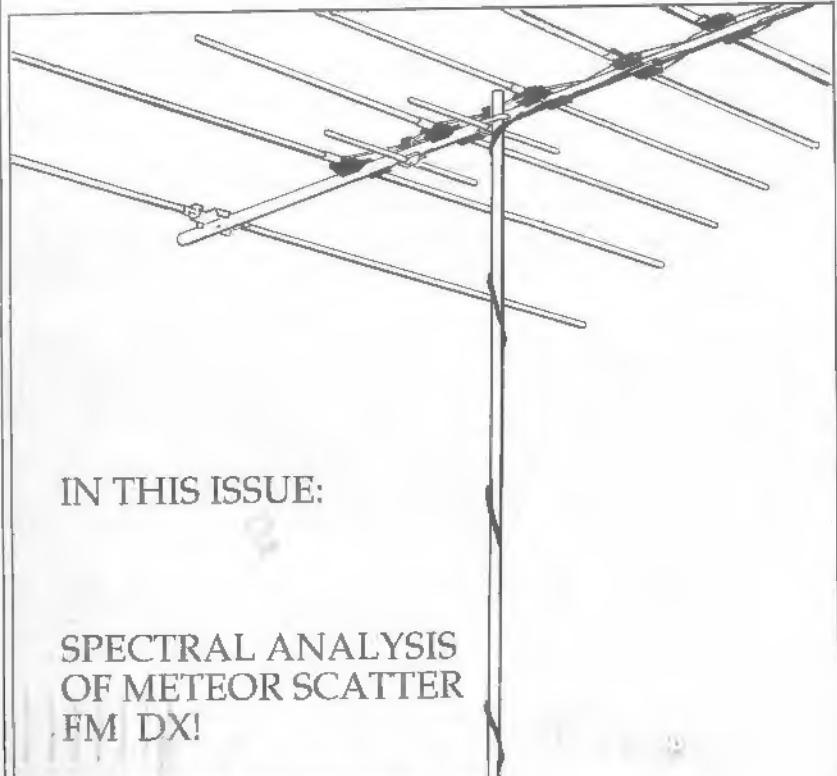
**first class mail**

11/93  
WILLIAM N NOLLMAN  
35 NYE ROAD  
GLASTONBURY CT 06033

# VHF-UHF DIGEST

The Official Publication of the Worldwide TV-FM DX Association

FEBRUARY 1993



IN THIS ISSUE:

SPECTRAL ANALYSIS  
OF METEOR SCATTER  
FM DX!

KANSAS DXER'S GIANT  
HOMEBREW UHF DISH!

SUMMARY OF LAST YEAR'S  
TV E-SKIP SEASON!

FIRST DETAILS ON  
CONVENTION 1993!

# Nashville

1993

WRITTEN BY TOM BRYANT

Thanks for choosing Nashville for the 1993 WTFDA Convention. Make plans now to join us in 'Music City U.S.A.' July 22-23 and 24. As your hosts, Doug Smith and I will do our best to see that the get-together is top-notch in every respect.

Although planning is in preliminary stages, we thought you might be interested in some information about Tennessee's Capitol City, along with ideas we're working on for the Convention.

Middle Tennessee is home to about 1.5 million residents and Nashville itself has grown from a sleepy southern city to a bustling urban center. If you think "Hee Haw" is what Nashville is all about, you're in for a big shock.

Since this is a tourist-oriented area, you might want to consider bringing the family and making this a part of your summer vacation. Aside from local attractions (more on that later) we're within 200 miles of Graceland, Mammoth Cave, The Alabama Space and Rocket Center, the Great Smokey Mountain National Park, Jack Daniel's Distillery, and many points of interest in the Chattanooga area.

Nashville is situated on three Interstate Highways; and is a hub city for American Airlines. The sparkling new airport is also served by Delta, US Air, TWA, United, Northwest and Southwest as well as several regional commuter lines. Greyhound has frequent service in all directions...there is no Amtrak service at this time.

We will make every effort to provide airport transportation for those who need it. Taxis are expensive and public transportation is marginal, so if you fly in and want to do any sightseeing...you'll probably need to rent a car. There are several tour companies that offer excellent bus trips to homes of the stars, historic sites, and other points of interest.

The exact Convention site has not been chosen, but we are concentrating on a suitable location within 15 to 25 miles of the city. This would likely mean lower room rates, and would get us away from the worst of the traffic problems. It would also put a little distance between the Convention location and most of the local FM and TV transmitter sites.

We plan to have a dx setup at the site with VHF, UHF and FM antennas. Bring your favorite piece of gear if you'd like to 'test drive' it in Tennessee. A VCR and tv will be available for viewing dx tapes.

DXer oriented tour possibilities include WSMV (channel 4), WSM AM/FM, and TNN/CMT (The Nashville Network and Country Music Television). Two outstanding area engineers are under consideration as possible guest speakers. Aaron Shelton joined WSM shortly after it went on the air in 1925, and later retired as chief engineer of WSM-tv. Hugh Hickerson, also a former channel 4 engineer, is now Director of Engineering for Gaylord Entertainment Corporation and heads up operations at WSM AM/FM as well as the Nashville Network, CMT, CMT/Europe, and the rest of Gaylord's domestic radio and television operations. These two gentlemen are well qualified to present a perspective of the broadcast industry from its earliest days to the present...as well as a look at the multitude of technological changes on the horizon. They are both 'dxer friendly'.

PLEASE TURN TO PAGE 27 •

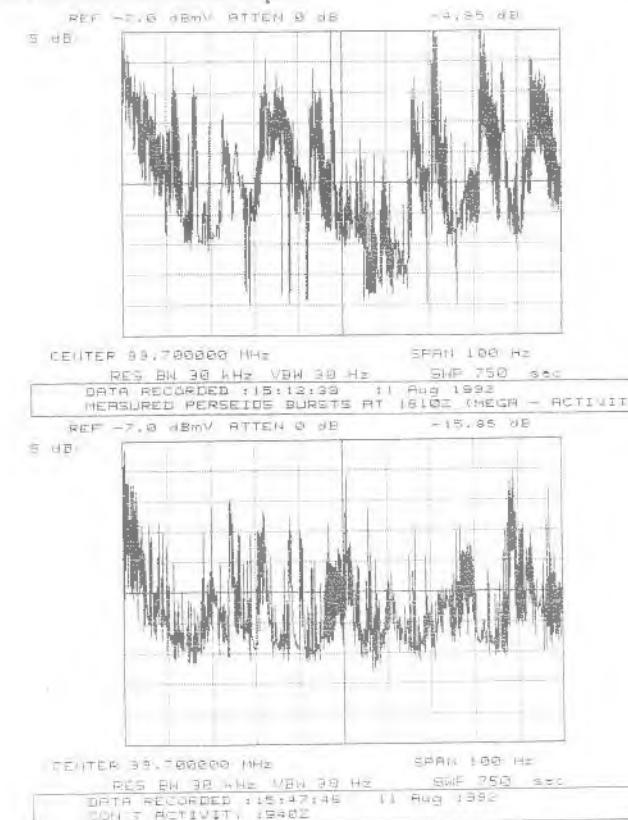
## SPECIAL REPORT

### SPECTRUM ANALYZER OBSERVATIONS OF PERSEIDS METEOR SHOWER: 1992 by Jerry Monroe

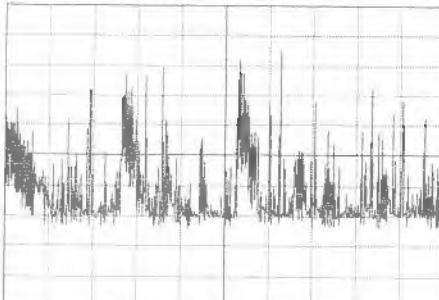
Setup: HP8568A Spectrum Analyzer as fed from a folded dipole 10 feet off the ground. A bandpass filter and 40db of RF gain is used to achieve good noise figure.

99.7 is chosen because of no nearby stations (Pittsburgh is at 275 miles and is in on scatter maybe one to two minutes an hour).

The Spectrum Analyzer is used in the zero span mode (in other words a fixed frequency receiver); the displays or plots merely reflect a signal popping up out of the noise floor over one long sweep of 750 seconds. Each horizontal line is 75 seconds or 1 1/4 minutes. Vertical divisions are 5db per division. Res BW or resolution bandwidth is the IF bandwidth of the analyzer and is chosen at 30 kHz (lousy for audio, but perfect for this application). VBW is video bandwidth or additional filtering of the displayed signal. Since we are interested in signal amplitude, only a very low frequency is chose (30 Hz). Note both local and Zulu time is used in plots

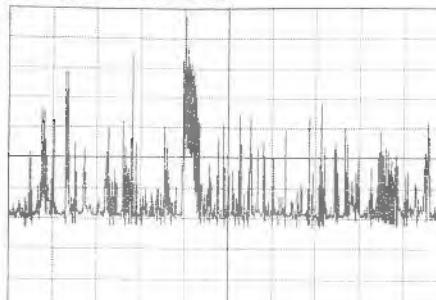


-7.0 dBmV ATTN 0 dB



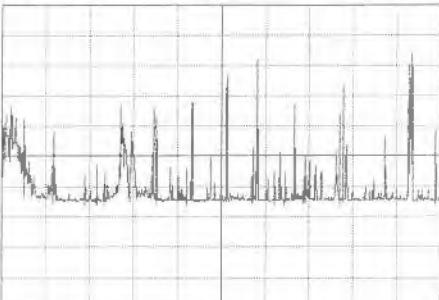
99.700000 MHz SPAN 100 Hz  
BW 30 kHz VBF 30 Hz SWP 750  
RECORDED 112:01:16 11 Aug 1992  
PERSEIDS BURSTS AT 1600Z

-7.0 dBmV ATTN 0 dB



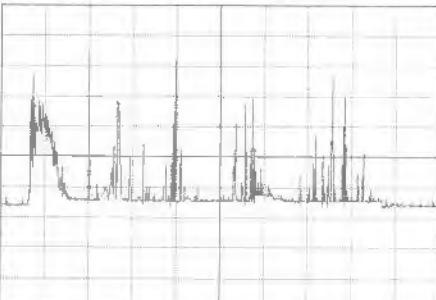
99.700000 MHz SPAN 100 Hz  
BW 30 kHz VBF 30 Hz SWP 750  
RECORDED 113:45:54 11 Aug 1992  
PERSEIDS BURSTS AT 1745Z

-12.0 dBmV ATTN 0 dB



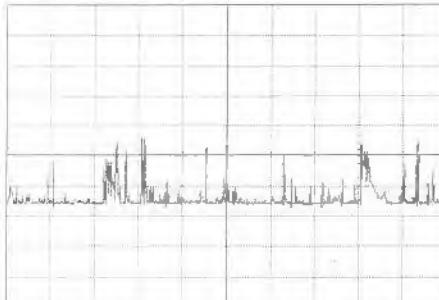
99.700000 MHz SPAN 100 Hz  
BW 30 kHz VBF 10 Hz SWP 750  
RECORDED 116:35:11 11 Aug 1992  
ACTIVITY 2025Z (SLOW DOWN IN BURSTS)

-17.0 dBmV ATTN 0 dB



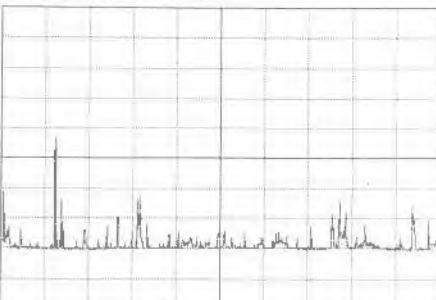
99.700000 MHz SPAN 100 Hz  
BW 30 kHz VBF 10 Hz SWP 750  
RECORDED 117:24:53 11 Aug 1992  
2125Z 5:25 PM EDT -- SLOWING DOWN

-17.0 dBmV ATTN 0 dB



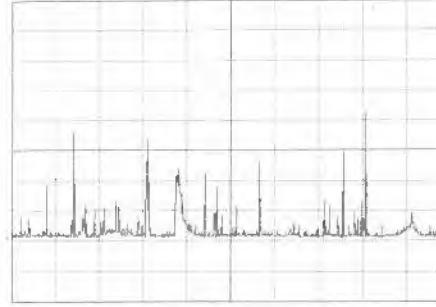
99.700000 MHz SPAN 100 Hz  
ES 85 BW 30 kHz VBF 10 Hz SWP 750  
RECORDED 118:21:50 12 Aug 1992  
1220Z WED. MORNING

-10.0 dBmV ATTN 0 dB



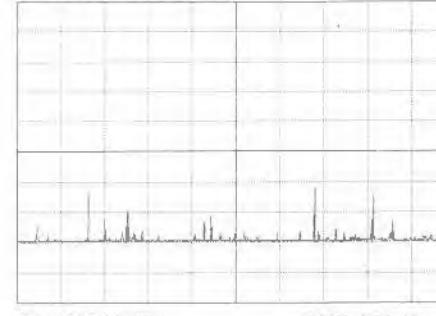
99.700000 MHz SPAN 100 Hz  
BW 30 kHz VBF 3 Hz SWP 750  
RECORDED 111:27:43 12 Aug 1992  
1320Z WED. MORNING

-10.0 dBmV ATTN 0 dB



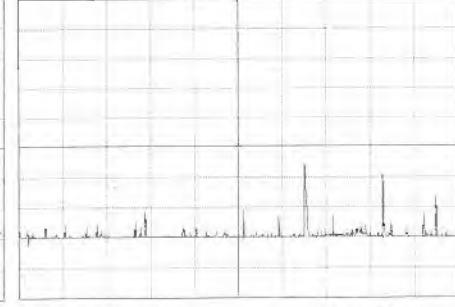
99.700000 MHz SPAN 100 Hz  
ES 85 BW 30 kHz VBF 3 Hz SWP 750  
RECORDED 115:58:36 12 Aug 1992  
2000Z WED. AFTERNOON UNLIKE TUESDAY

-52.0 dBm ATTN 0 dB



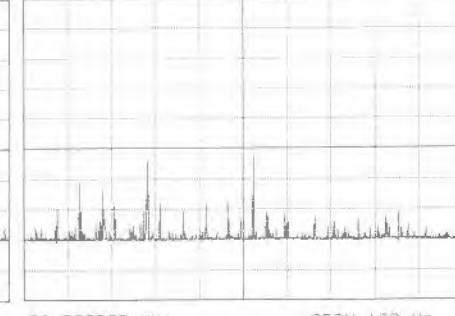
99.700000 MHz SPAN 100 Hz  
ES 85 BW 30 kHz VBF 3 Hz SWP 750  
RECORDED 117:08:11 14 Aug 1992  
ACTIVITY 2100Z ON FRIDAY AFTERNOON

-10.0 dBmV ATTN 0 dB



99.700000 MHz SPAN 100 Hz  
BW 30 kHz VBF 3 Hz SWP 750 sec  
RECORDED 108:54:59 13 Aug 1992  
1300Z THUR. MORNING - CX BW TO NORMAL

-52.0 dBm ATTN 0 dB



99.700000 MHz SPAN 100 Hz  
BW 30 kHz VBF 3 Hz SWP 750 sec  
RECORDED 109:22:18 17 Aug 1992  
ACTIVITY 1300Z ON MONDAY MORNING

Test Results: When I decided to check out conditions this particular "work" day the Perseids were obviously in full swing on Tuesday August 11, 1992. The first plot taken at noontime that day shows tremendous activity, which actually builds over the next several hours and drops off as the 1635 plot shows. The 0821 Wed. morning is very down from the previous afternoon but not anywhere near the activity 24 hours earlier. Plots are then taken over the next several days, showing MS conditions returning to typical average, 2-3 bursts per minute.

Comments: You might wonder how does this translate into what you might hear on your FM receiver. Well, the latter plots show typical bursts of 1-2 second length, enough to hear call letters of geographical information, i.e. 'Key West'. On the other hand Tuesday afternoon activity was non-stop. I was simultaneously listening to 99.7 on my iF modified Sony ICF 5900W (a decent DX machine with a bandpass filter in front of it). This was not typical MS conditions. Multiple stations were coming in, making IDing almost impossible, all clear and semi-clear channels were jammed with stations, it almost seemed as if my radio was suffering from a severe case of overload inter-mod distortion. At break time I retreated to the confines of the DX-mobile in the parking lot (K-Mart radio, 130 kHz filters, 20 dB pre-amp, bandpass filter, and a parts of phased quarter wave verticals). The same conditions existed with IDing being very difficult, the bursts were on top of bursts, kicking in with an E-skip type of signal strength, but not nearly as stable as E-skip is.

Of course, by 5 p.m. (1700) quitting time, conditions had retreated, with the next day being very down from Tuesday's levels. In retrospect as I submit this article, the Perseid activity that afternoon was phenomenal.

# NORTHERN FM-DX

GREG CONIGLIO  
5100 GLENWOOD DRIVE  
WILLIAMSVILLE, NY 14221

For DXers in: MA NH VT CT MA RI NY PA NJ OH MI IN IL WI MN IA NE SD ND MT WY ID WA OR AK Canada

FEBRUARY 1993 → DEADLINE: The 5th → LOG CUTOFF: 2 months from postmark

November had several e-skip openings, perhaps the most heard being on U.S. election night, the 3rd. December also had some interesting tropo catches along the east coast, during the middle of the month. Perhaps the most widely heard e-skip opening of this off-season was the late night opening of December 20/21st, which according to some lasted until as late as 4 a.m. If you have had some DX, let's hear from you today.....

JOSEPH FELA - 150 ROBERT PLACE - SD. PLAINFIELD, N.J. - 07080

Equipment - McIntosh MR-78 tuner/stacked Stereo Probe 9s + a single Stereo Probe 9, on rotors, at 40 ft., Babin phase box.

Time: ELT

NOVEMBER 1992

	20 Es	
3 Es	2301 KNTU 88.1 TX Denton, ID, "Jazz and more" 1354	
2107 WQID 93.7 MS Biloxi, ads, call 1075	2308 CBEB 89.7 ON Manitouwadge, CBC English 812	
2021 WKQE 93.3 LA New Orleans, ads, Saints promo, "Q-93" 1147	2316 WIMI 99.7 MI Ironwood, call, o, 887	
8 GW	2320 WMIS 99.7 WI Black River Falls, local ad, partial ID: "IS-AM 1260", o 878	
1100 WKHL 96.7 CT Stamford, legal ID, "Kool" (strict), o, ex: WSTC/WYRS/WJAZ/WQQ 57	2322 KQDS 94.9 MN Duluth, "95-KQDS", r 982	
20 Tr	2330 CBON-22 93.7 ON Geraldton, CBC French 880	
2355 WKDE 106.3 NJ Ocean City, k, ID ex: WSLT and c 89	2359 KYYY 92.9 ND Bismarck, "Y-93", r 1384	
22 GW with phasing	21 Es	
0800 WHCY 106.3 NJ Blairstown, call, "Hot Country", ex: WFMV 40	0001 KFJM 89.3 ND Grands Forks, ID, looking for \$\$\$ 1230	
DECEMBER 1992	0003 KCND 90.5 ND Bismarck, list of ND public radio stns, ND wx, c, 1384	
02 GW	0011 KQAA 94.9 SD Aberdeen, "Kool 95" + call, o 1262	
2150 W289AA 105.7 NJ Lebanon Twp. translator of WWFM-89.1 27	0020 KMFY 96.9 MN Grand Rapids, call, ads 1055	
14 GW	0032 KOLX 106.1 ND Lisbon, ID, "Hitickin' Country for the Dakotas" 1232	
2102 WRQZ 101.3 PA Lancaster, ID, "The Rose" (strict), Music of the 80s and 90s, ex: WNCE 122	0034 WHMH 101.7 MN Sauk Rapids, ID with WVAL-660, "MN's Best Rock" 1055	
15 GW	0052 KGTR 92.1 SD Huron, call, o, still on 92.1, ex: KIJV 1250	
1709 WRNJ 107.1 NJ Belvidere, call, nx country format 41	73, Joe	

dBRUCE HALL - 5 STIRTON AVE - BRANTFORD, ONTARIO CANADA N3T 1E2

Receiver JVC JR 2001 analog receiver with 3 110 kHz filters, Sleuth 205 amp, Probe 9 fed with RG6 at 50 feet AGL, Crown rotor, distances are in kilometres.

DECEMBER 1992 DX

	DECEMBER 13 Gemini MS	
0645 WRCR 94.3 IN Rushville, nr, Stereo	0645 WRCR 94.3 IN Rushville, nr, Stereo	
94 WRCR Rushville	94 WRCR Rushville	581
Rawico Comm. Toronto, two weeks of endless electronic boop, loop with ID every 6 min 94	1000 WGMX 94.3 FL Marathon, Mix, IgI ID	2047
Record one-hop MS distance	1952 WDEC 94.3 GA Americas, k, "94 point 3 WDEC", in FM Atlas as 94.7	1259
0756 WRLF 94.3 WV Fairmont, op, "Central WV's home of r&r, WRLF" then a WV song 404	0826 WDBL 94.3 TN Springfield, nr, "Springfield Fire Department, Toys for Tots", phoned stations to confirm my 600th logging from one location since 04/90 (congrats!-gc) 924	
8 MS	0654 WXTU 92.5 PA Philadelphia, k, country music followed by "Philadelphia WXTU" 556	
0737 WNEB 94.3 FL Lake City, nr, B94 "Sportsbreak B94-NFB" 1451	0726 WJJQ 92.5 WI Tomahawk, k, calls "WJJQ" heard on tape 796	
11 MS		
0803 CHIQ 94.3 MB Winnipeg, r, "Generic Drug Companies", recognized newsmen's voice from previous log on tape 1494		

Toronto's new country station on 92.5 (Rawico Communications) sign on delayed up to 90 days past December 17th (update noting back on testing as of January 6th-ge). I hope they use all 90 of them, so more MS catches can be made prior to sign on. Rawico hopes to be on before 90 days. Many thought they were already on in Toronto when a clear country signal was heard in December. Those many were treated to Rochester's DX of WBSE due to a weather enhanced signal. The best well kept secret as of yet in these parts is their calls and non ID?

73 dB

# NORTHERN FM DX

FEBRUARY 1993

Paul Mount Box 126 Lincroft, NJ 07738 (908) 591-2522 [8-midnight]

Equipment: Onkyo T-8090 II (standard 150khz filters), CM-4408 (SP-9) at 30' w/CM9510A rotor, RG-6, Archer FM amp

# after slogan is dB reading f/Onkyo; compare to typical Philly (83), NYC (98)

New loggings underlined, except tentative. Box around new political talk

August 3, 1992 Tr

2220 WRLO 104.5 MA Fitchburg	r. cell, 87dB	197	0004 WHOV 88.1 VA Hampton	11, ex-88.3	260
2229 WCDR 98.9 MA Boston	r. 80	213	0032 WNOF-im 98.7 VA Norfolk	op, "the rock 'n' roll station" WNOF's unusually weak this am at 26 miles	279
2230 WBNX 98.5 MA Boston	"Mix 88.5", 81	213	2107 WKJX 96.7 NC Elizabeth City	K. 'kil K' (peep)	302
2241 WMXJ 92.9 MA Brookline	r. 73	213	0037 WNHW 92.5 NC Nags Head	K. "carolina 92"	314
2243 WMXJ 108.7 MA Boston	r. "Magic 108.7"	213	0100 WQID 91.1 NY Friendship	g. ID, had informa.	328
2247 WWRK 103.7 RI Westerly	rp. "WWRK 103.7"	143	0110 WQID 91.1 NY Friendship	g. ID, had informa.	
2251 WSHH-im 98.5 MA Lowell	r. ID w/Boston, 74	218	0110 WQID 91.1 NY Friendship	g. ID, had informa.	
2256 WQGN 105.6 CT Glaston	r. "O-105"	124	0110 WKOC-1 90.7 NC Elizabeth City	r. // 94.1, tentative	302
2305 WCRB 102.6 MA Waltham	r. news, 78	204	0116 WMXXV 103.3 NY Vestal	r. "WMMX 103" rem.	151
2308 WCRB 102.7 CT Glaston	ro. ID, 80S	213		lone southern rem.	
2310 WWLJ 105.1 RI Providence	rp. "Like 105"	178	0145 WVEB 90.3 VA Accotink	ID	200
2313 WWBB 101.5 RI Providence	r. "B101.7", 79	178	0152 WPRB 102.7 RI Narragansett Pier, thru WNEW	101.5	162
2328 WZQI 94.5 MA Boston	r. "ZOU", 70	213	2144 WFXR 93.5 MA Newington	r. "Fox 93.5 and 234	
2327 WHJY 94.1 RI Providence	rp. "94JWY", 75	178		101.5"	
2331 WUHS 81.7 CT Storrs	p. ID, 59S	142	2148 WFAL 101.1 MA Falmouth	r./83.5 thru wobs	205
2336 WZBG 87.3 CT Litchfield	ads, "W97.3+CL"	109	2200 WZOD 106.1 MA Hyannis	r. "tape cod's	224
2350 WGRS 98.1 MA Worcester	ads, ID	181	2205 WATB-1 103.5 MA S. Yarmouth	greatest hits" (what does that make w/?)	
2363 WSNE 93.3 MA Teaneck	r. "...the mix", 81	194		lens-mint MA w/	230

4 Tr to Boston and beyond continues

0001 WJFD 97.3 MA New Bedford	r, portuguese	193	1100 CFMX 103.1 CT Cobourg	o, ID mentions 99.3	319
0014 WBLO 99.3 RI Block Island	ID, 99S	150	1130 WVKL 98.9 PA Harrisburg	o, "cool 94.9 fm"	139
0030 WQOB 106.31 MA Nashua	r, "W106.3FM"	219	1150 WXTK 98.9 MA W. Yarmouth	talk	229
0114 WLYT 92.5 MA Westerly	rp. "Boston's 92.5"	232	1200 WMQJ 102.5 NY Buffalo	r, "102.5" at mall	298
0130 WGGY 93.7 MA Lawrence	rp. ID w/Boston	226	1310 WMIS 99.7 NY Black River Falls	rx, clear ID, time	893
0140 WBQG 99.3 ME Kennebunk	r, "W-Bach", 42	280	1358 WUGN 99.7 MI Midland	g, ID + address	880
0225 WODS 103.3 MA Boston	r, "Oldies 103FM"	213	2003 CHIQ 100.5 NJ St. John	rx, "K-100, your	533
0235 WNNK 99.3 NY Elizaville	rp. "99.3 K-RB", 44	93	Information leader in St. John" was looking for w/ver		
0250 WBQO 98.3 ME Kennebunk	still there, local	280	2037 WMRV 102.7 NY Endicott	r, ID	152
0300 WGBN 98.7 MA Boston	c, ID	213	2045 WYBF 105.7 MA Framingham	r, "Boston 106"	198

22 Tr after seeing NY TV at Joe Falas'

2302 WDLK 93.3 NC Washington	r. ID past WMMR	368	2051 WSRB 98.1 MA Worcester	r, "love songs..."	181
2315 WYTK 88.9 NC Gloucester	k, "KT Country"	401	2067 WORC 98.9 MA Barnstable	r, "pm cape cod"	224
2320 WZTK 96.7 NC Elizabeth City	k, "KC Country"	302	2100 CBD-im 91.3 NC St. John	r, CBC St. John id	535
2340 WUQG 102.5 VA Winchester	size, "102.5"	225	2124 WBOZ 92.9 MA Brookline	r. ads	211
2368 WNDN 95.3 DE Laurel	sign off	145	2135 WEZF 92.9 VT Burlington	rm. ads, ID	288

23 Tr continues

0020 WQUL-im 103.1 VA Culpeper	k, "great k-hits..."	236	Dec 15 Tr		
0033 WLYT 98.1 NC Raleigh	r, "98.1", 64	368	1742 WFRE 99.7 VA Staunton	o, "60,000 watts of	301
0056 WBRQ 98.3 NC Wausau	r, "beach 95 FM"	322	1760 WANV-im 99.7 VA Staunton	your favorite oldies, oldies 99.7 wanv-im"	
0108 WKHO 98.3 VA Col. Heights	k, "K-98"	277			
2238 WRSF 105.7 NC Columbia	r, "all top 100", 327	327	1765 WIMI 96.3 PA Harrisburg	r, "mix 99.3"	139
	overloading 105.9		1800 WWMF 104.7 MD Hagerstown	mb, local ads	
2240 WOVA 102.1 PA Dubois	k, local spots	243	1801 WGBB-1 91.1 PA Red Lion	fest, gospel	191
2359 WSCL 98.6 MD Salisbury	c, ID	157	1801 WYCR 98.5 PA York	r, "98 YCR"	229

Notes: 8/3-4 shows mostly new stations as I worked on my "hit-list" of needed Boston/area stns, still need the 104.9 Gloucester, 90.9, and other educational. Not too much trouble getting thru co-channel NYC stations to NNE at 26 miles, but couldn't get an ID out of my favorite Providence station, WBRU-95.5. Hadn't ever heard Maine if anywhere in NJ; Bill N mentioned possibility tonight, given opening strength, but he was thinking 102.9 (tried, not heard); his phone was busy when I tried to call about WBQO; RKS couldn't hear, too late for others or no answer. 8/23-24 Norfolk so strong it came in when pointed NW as well as SW, ruling chances for other central PA like 102.9, 9/14 had unexplained WCHR on 94.8, not 94.7 either. They have no ID there per cell (and null for WJLK-94.3) No luck at 98.9/107.9 VT or any Montreal. Lotsa tip trading w/ Bill N, Bill B, Joe F, Bob S, Eric F and even Clarke Ingram. What do you call these ex, especially when MI, NJ are heard within 10 minutes of each other? By 11pm I was so crazy from this day, I left to go hear WSLT-FM-108.3 go country, but there was no fanfare. 12/15 Thanks to Rich Shafan tip I'm trying to work at home but all this trop...". No luck at NC TVs JF had. Had to leave 1815. Greg, good thing you type fast, first attempt preparing contribution myself (Microsoft Excel) took hours! Good DX to all in '93.

ROBERT S. ROSS - VE3 JFC - BOX 1003 STN B - LONDON, ONTARIO CANADA N6A 5K1

NOVEMBER 1992 DX

11 Tr

2035 WHAD 90.7 WI Delafield, talk about	labour equality, ID on hour, ment. U of Wisc	
2044 WYGR 104.1 MI Grand Rapids, fund raiser	ph# 313-764-3434, ment U of Mich, lds	
2230 WNUC 107.7 NY Wethersfield, c/w mx	new format, "New Country 107.7"	



## NORTHERN FM DX

### DAVE NIEMAN-12284 NICE ROAD-AKRON, NEW YORK 14001-9529

Equipment: Carver TX-11 tuner IF filter modified. Channel Master Stereo Probe 9 at 36 feet on crankup tower, Channel Master 3617B VHF at 23 feet into phase box. Alliance HD-73 rotor and RG-11 coax.

New loggings are underlined. New call (KKKK). New propagation mode WWW.

#### DECEMBER 1992 DX

4 tropo			
1418	92.5 ON Toronto, \$	64	
	see note 1		
20 tropo & Eskip			
1702 WCOT 90.9 NY Jamestown, ID	g\$, see note 2	70	
1800 WCII 88.9 NY Canandaigua, ID	g\$, see note 2	63	
2355 CJKR 97.5 MB Winnipeg, "Classic Rock-97.5", \$	promos/ad	1007	

#### NOTES:

- (1) New station testing, identified as Rowico Communications in Toronto.
- (2) New stations testing, Family Life Network. WCOU Warsaw NY back on and testing in group.
- (3) Mention country format from 6AM-6PM but playing 60's rock-n-roll when heard.
- (4) "...your listing to the WVXU stations..."

Hope anyone had as good a Christmas as I did. The wife finally got me what I've wanted for the past several years; a new DX tuner and a Carver TX-11a too. That's really two new DX tuners; a new one for home and the old Carver for the mountain site. I'm holding off changing the TX-11a's IF filters till the 30 day warranty runs out. I guess there's a switch inside that will change the FM tuning increments from 100kHz to 50kHz. I'll have to look for that too when I get it opened. Dave

## DAVE NIEMAN-HO STA GEH, ROAD-ROCK CITY, NEW YORK

Equipment: Technics ST-8080 tuner IF filter modified. Antennacraft FM-10 at 25 feet, RG-6 coax and Radio Shack rotor.

New loggings are underlined. New call (KKKK). New propagation mode WWW.

#### DECEMBER 1992 DX

20 Groundwave & tropo			
1900 WCOT 90.9 NY Jamestown, ID	g\$, new to air testing		
Family Life Network			
1200 WCII 88.9 NY Canandaigua, ID	g\$, same as above	46	

Took the old Carver TX-11 tuner down here (Dec 30th) for the first time since installing the FM antenna on the cabin. It's a much better tuner than the Technics in both selectivity and sensitivity. Nothing new was heard on the 30th but frequencies were more active and signals were much stronger with the Carver TX-11. Dave

## WELCOME NEW REPORTER!!



### RICH GALLISON - RFD #1 BOX 2190 - CHARLESTON, MAINE 04422

Receiver: Sansui 5900Z, RS FM/TV antenna at ~20 feet.

#### DECEMBER 1992 DX

12 MS?			
1844 WCFS 93.5 VT Springfield, "Now, WCFS w/ Groundwave? MS burst? (could be either. At that short distance I would guess GW but you can't rule out MS that short-gc)			
13 MS			
1803 WKQI 95.5 MI Detroit, "Q95FM soft hits with no hard rock..."			
1829 WJSA 93.5 PA Jersey Shore, "WJS..."			
1854 nice 15-20 second burst, no IDs			
14 MS			
0200-0235, lots of bursts, no IDs, that's it, this way of DXing is very frustrating (Don't worry, I think you will find Tr and Es a little easier. Other than Aurora, MS is likely the most difficult DX-gc)			

My only confirmed DX is WOOF-FM 99.7 from Dothan, Alabama from a couple years ago. I don't even QSL on ham much, but I liked their call letters (is WDOG Allendale, SC their sister station? Hh!) Anyway, I called them on the phone and they promised a bumper sticker if I send a postcard from Maine. They were very fast. Sent verification letter, a map showing their coverage area, and 2 stickers! AM + FM. I have them on my truck. My best DX was WOW-FM 94.1 Omaha, Neb. But in the summer, the skip generally goes into Georgia, Florida, and the Carolinas. One time, I had the Dakotas, Minnesota, and Wisconsin. Well, out of space. Hope to hear from you. Gud DX, ES 73, Rich WA2CIO (Rich, hope to see you report often. Welcome to WTFDAI-gc)

## FEBRUARY 1993

## NORTHERN FM DX

### DAN OETTING - 22 CARRIAGE LANE - EXTON, PENNSYLVANIA 19341

Equipment: HK Citation 23, Yamaha T70, rabbit ears, Archer FM booster 20db

#### DECEMBER 1992 DX

##### 10 Trs

(unbelievably strong low pressure over Baltimore bringing 80-100MPH winds to NJ, & E.PA, and 3 feet of snow to W. PA.)

2242 WRFY 102.5 PA Reading, knocked off air

2245 WLSQ 102.5 VA Winchester, r

2306 WVE 102.5 PA Pittsburgh, rp, ID, "DVE"

#### DECEMBER 16 Tr

0020 WGBH 89.7 MA Boston, in solid!, c

0035 WAAF 107.3 MA Worcester, rp, "WAAF, the calls with the balls"

0042 W249AT 97.7 PA Reading, WRTI xtr, ID

0100 WEVO 89.1 NH Concord, ID, c, "Wow!"

ID with four other NH stations

0115 WBOS 82.9 MA Brookline, rm

0127 WFNX 101.7 MA Lynn, p, only heard once before, many years ago

0140 WRCH 100.5 CT New Britain

0200 WXTK 94.9 MA W. Yarmouth, t, ID

0228 WXKS 107.9 MA Medford, rs, Kiss 108 FM

0234 WCVE 88.9 VA Richmond, c, ID

Nice, unexpected tropo duct in the middle of December. One of the best tropo to the north of Providence in a long time. As of 1/2/93 no winter E-skip on FM to report. See ya, Dan O.

#### JOHN EBELING - 9209 VINCENT AVE SOUTH - BLOOMINGTON, MINNESOTA 55431

#### SEPT. 24, 1992 Tropo

0001 WORB 95.1 WI Bloomer, k, "95"

OCT. 28, 1992 Tropo

0030 KHWK 96.5 MN Rochester, k, ex 96.7

DECEMBER 1992 DX

##### 8 Tr

2000 WQPM 106.1 MN Princeton, "Q country" ex 106.3

#### DECEMBER 20 Es

2223 WGBH 89.7 MA Boston

2225 WITR 89.7 NY Henrietta

2300 KFSI 92.9 MN Rochester, ex 88.5 (Tr) NOTE 1

2303 WKQJ 92.7 NY Middletown, "KQJ"

2305 WOBM 92.7 NJ Toms River

2328 WKLY 98.9 NY Rochester

2330 WVOR 100.5 NY Rochester

2341 WZQ 82.1 OH Wapakoneta, "92 Zoo"

NOTE 1: Have found no indication in FM radio concerning this frequency change; nor have I found any indication of any new translator on this 92.9 frequency (Elvings has been notified). Well, that's about it for now. Haven't noticed any Es since the 20th. Did, however, note some low band TV Es on 12/17, which I ID'd KYW-3 Philly. But the opening never made it to the FM band. Regards, John Ebeling

#### PETER Q. GEORGE (N1GGP) - 40 ADAMS ST. STOUGHTON, MASSACHUSETTS 02072

(617) 341-6073, Equipment: Sony STRVX750 receiver with 110 kHz filters, Archer 6 element yagi with RG6 coax and 18db FM amplifier, all heard with stereo unless otherwise noted

#### AUGUST 1992 DX

##### 11 MS (Perseids)

1423 WMC 89.7 TN Memphis, FM 100

1427 WJMI 97.7 MI Ironwood, "97.7 WJMI"

1429 WAPW 99.7 GA Atlanta, Power 99

1450 WMGG 99.7 OH Columbus, "Columbus..."

1505 CIRO 99.7 PQ St. George de Beause

French country music

1510 WOOF 99.7 AL Dahlia, "Woof FM"

##### 13 Tr

0150 WSSV 101.3 NY Saratoga Springs, set, ac, ID

##### 16 Tr

0100 WNNH 99.1 NH Henniker, Oldies 99

0101 WOKO 98.9 VT Burlington, country mx

0109 WAWZ 99.1 NJ Zarepath, Christian mx

0110 WPLR 99.1 CT New Haven, excellent rock!

24 Super Tr! (Hurricane Andrew)

0800 WSNJ 107.7 NJ Bridgeton, ID/MBN news

0801 WSVS 104.7 VA Crewe, news, c&w music

0807 WWDE 101.3 VA Hampton, "2WD", ac

0810 WFYI 99.7 VA Norfolk, BBN/Gospel

0814 WUSL 98.9 FA Philadelphia, Power 99, UC

0827 WBLI 106.1 NY Patchogue, The New WBLI

0840 WQOD 98.7 NH Winchester, 98.7 Oldies FM

1838 WPKN 88.5 CT Bridgeport, public affairs

1843 WTCF 90.7 MA Springfield, uc/rap mx

1848 WLNG 92.1 NY Sag Harbor, oldies, MONO

1850 WNYC 93.9 NY New York, News, pub, servc

1851 WZIE 94.7 NY New York, Christian music

1854 WBSS 97.3 NJ Millville, The Boss, rap mx

1900 WALK 97.5 NY Patchogue, oldies/AC

1925 WQHT 97.1 NY New York, Hot 97, CHR

2012 WQCD 101.9 NY New York, CD 101.9, jazz

2015 WSKQ 97.9 NY New York, Sp. Latino mx

2017 WQXR 96.3 NY New York, classical mx

##### 25 Tr

0300 WYRY 104.9 NY Hinsdale, Y105, CW mx

##### 27 Tr

0210 WJIV 101.9 NY Cherry Valley, relig. talk

0215 CBMB 91.7 PQ Sherbrooke, 400 Hz tone

##### SEPTEMBER 1992 DX

##### 6 Tr

0210 WKLX 88.9 NY Rochester, Solid Gold Sat.

urday night

0215 WOKO 98.9 VT Burlington, country mx

0217 WUSL 98.9 PA Philadelphia, Power 99

##### 14 Ultimate Tropo!

2103 CIOK 100.5 NB St.John, K100, news

2110 WUGN 99.7 MI Midland, Family Life Net

2141 WICZ 93.9 NY Norwich, Kix 94, AC/Jazz

2207 CBED 96.7 ON Pembroke, CBC EE, MONO

2207 CHYM 96.7 ON Kitchener, Chime FM.news

2209 WMAR 93.9 VT Woodstock, oldies/sat.

2210 WYFI 99.7 VA Norfolk, BBN gospel mx

2215 CBZ 101.5 NM Fredericton, CBC/stereo

2215 CIEZ 96.5 HS Halifax, Sun FM

2223 WTSA 96.7 VT Brattleboro, jazz

MADE ME DECIDE BY THE NEXT PAGE

## NORTHERN FM DX

FEBRUARY 1993

PETER GEORGE'S REPORT CONTINUED.

### SEPTEMBER 1992 DX CONT

14 Ultimate Tropo!  
 2240 WNYC 93.9 NY New York, classical  
 2303 WSKG 89.3 NY Binghamton, opera  
 2307 WHAI 98.3 MA Greenfield, news  
 2312 WPFW 89.3 DC Washington, rock, ID/prog  
 2353 WRFX 99.7 NC Kannapolis, "The Fox"  
 15 more Ultimate Tropo!  
 0010 CIOO 100.1 HS Halifax, C-100 // CJCH-AM  
 0020 CBH 102.7 HS Halifax, CBC/Stereo EE  
 0021 CFQM 103.9 NB Moncton, country "20-20" wx  
 0047 WAYV 95.1 NJ Atlantic City, Your Music 95.1  
 0145 CBAL 98.3 NB Moncton, CBC FF/Stereo  
 0148 WBLS 107.5 NY New York, smooth jazz  
 0150 WHTH 107.5 ME Lewiston, Oldies 107.5  
 0200 CECA 105.3 ON Kitchener, a/country, jingle  
 NOVEMBER 1992 DX  
 3 Tr and Es  
 1952 WMC 99.7 TN Memphis, FM100, ID  
 2000 WWOB 96.5 PA Philadelphia, talk, mono  
 17 MS  
 2030 WUGN 99.7 MI Midland, weather, ID  
 20 TEs  
 2125 WKX 98.9 NY Rochester, oldies  
 2127 WUSL 98.8 PA Philadelphia, Power 99  
 DECEMBER 1992 DX  
 13 MS  
 0120 KFUO 99.1 MO Clayton, classical mx  
 15 Tr  
 1102 WYFI 99.7 VA Norfolk, religious gospel mx  
 1104 WHTK 99.7 SC Port Royal, my record tropo  
 820 miles!! previously Es and MS  
 1204 WVPR 89.5 VT Windsor, Vermont Pub Radio  
 2330 WNCN 104.3 NY New York, classical  
 2335 WCBS 101.1 NY New York, My favorite FM!  
 "The Doo-Wop Shop"

Well, it has been a long time since I have reported. The summer for all intents and purposes was a dud for e-skip. But tropo was excellent throughout the fall. My thanks to Greg Coniglio for helping me ID "CBCD 98.7 Pembroke, ON, and CHYM "Chime-FM" 96.7 Kitchener, ON, on the 9/14/92 ULTIMATE tropo. Election night 92 (11-3-92) brought a pleasant but all too brief e-skip with WMC 99.7 TN. I did get on MS KFUO 99.1 MO after local WPLM went off for maintenance on 12-13-92. The best Christmas present was a seven hour E-skip opening. On that night I got KDKD 95.1 MN for five hours straight with local quality. But the best news of all was CITI, "CeeTee" 92.1 MB, in addition to getting close to the 1500 miles mark, I also got province #5/MB. I am interested in hearing old FM DX circa 1950 through 1972. If anyone can make dubs of old DX tapes, I'd gladly pay for the cost of such. Since I have a full production studio at home, I would consider putting a "best of DX" cassette together for all to enjoy. Please drop me a line and let's talk. That's it for now. I hope to be a more active correspondent from now on. (We are glad to see you back, Peter, and hope to hear from you often!-gc) Happy New Year 1993! Until next time, 73s!

RICHARD GALLISON - RFD#1 BOX 2190 - CHARLESTON, MAINE 04422 (207) 285-3194

Equipment: Sansui 5900Z receiver, Radio Shack TV-FM antenna

### DECEMBER 1992 DX

14 Tr  
 1923 CKTO 100.9 NS Truro, ID, calls  
 1931 CBHY 92.1 NS Yarmouth, CBC net  
 1940 CHFX 101.9 NS Halifax, Country 101  
 1942 CFQM 103.9 NB Moncton, ID calls, k  
 1950 CIEZ 96.5 NS Halifax, Sun FM  
 2100 CFRQ 104.3 NS Halifax, calls ID "With 100,000 watts, this is CFRQ"  
 2102 CBH 102.7 NS Halifax  
 2105 CBZ 101.5 NB Fredericton, EZL  
 2111 CJYC 98.9 NB St. John, Classic Rock C-98, overlocal WCLZ  
 2121 CKWM 97.7 NS Kentville, Magic 97 skycheck weather  
 2149 CJLS 93.5 NS New Tusket, ID, oldies

DEC. 16 Tr  
 0013 WSPK 104.7 NY Poughkeepsie, K104, CHR  
 0023 WUSL 98.9 PA Philadelphia, Quiet Storm  
 0025 WMXN 105.3 VA Norfolk, SoftJazz, Mix 105  
 0032 WJBR 99.5 DE WilmingtonMix 99.5, o/WSSH  
 20 Es!  
 2330 KDKD 95.1 MN Detroit Lakes, Kool 95 in for five hours!  
 2240 KJKK 96.5 MN Fergus Falls, KJ-Country, k 21 more e-skip!  
 0007 WNCE 89.3 MN Duluth, religious sign off still says 89.1!  
 0200 KQMN 91.5 MN Thief River Falls, legal ID  
 0226 KFJM 89.3 ND Grand Forks, legal ID, clas.  
 0259 KCRB 88.5 MN Bemidji, IgI ID, classical  
 0305 KXDL 99.7 MN Browerville, Pure Gold 99.7  
 0309 KCKK 99.7 MN Marshall, ID, True Value ad  
 0323 WAKX 88.9 MN Duluth, classic r, progressive  
 0325 KVOK 99.9 MN Moorehead, The New K100 with Fargo ads  
 0407 CITI 92.1 MB Winnipeg, "Cee-Tee" progressive, Province #5, 1500 miles

□ No Toronto FM country station in March? A flurry of queries yesterday as the CRTC officially granted the station's request for a 90-day delay from a sign-on target last Thursday. But the extension to March doesn't mean Rawco Communications intends to use it. "The CRTC only grants extensions in periods of 90 days and one size fits all," says Keith James, the new station's general manager. "We weren't happy with Dec. 17 — same equipment hadn't arrived and we need a little extra time. It won't be 90 days, I can assure you." Pressed for a guesstimate, quoth James: "We all know the ratings start the first of March. We'd sure like all the headstart we can get. No way we'll use the 90 days." With dozens of staffers on the payroll, we're likely looking at days or weeks here, not three months.

## NORTHERN FM DX

RICHARD GALLISON'S REPORT CONTINUES.

### Dec. 15th Tr continued

1924 WCTK 98.1 MA N. Bedford,  
 1951 WFXR 93.5 MA Harwich  
 1953 WPLM 99.1 MA Plymouth, Big Bands  
 1955 WZLX 100.7 MA Boston, "Boston's Classic Rock Station"

### 19 Tr & Es

1840 CBMB 91.7 PQ Sherbrooke, CBC Eng.  
 2230 WGFA 94.1 IL Watseka, "Get Into The Spirit of Xmas with WGFA"



Met with Joe Fela while celebrating Xmas with family in N.J. Also hope to meet Bill N. next time in New Jersey. Maybe get in some pinball! Putting up 75 foot tower this summer. Will load it up with TV, FM and ham antenna

NOTE 1: Solid signal, but they wouldn't answer their phone

NOTE 2: Didn't miss the calls or location. Used to be KYIY?

NOTE 3: Hooking up studio equipment 2/1/93 projected air debut, oldies format

RICHARD K. SHAFTAN - 39 OLD MIDDLETOWN RD. - ROCKAWAY, NJ 07866 (201) 586-3563  
 Equipment: Realistic STA-2280 with 7 110kHz filters (see McVey article, November 1990), Channel Master 20 element TV 45' AGL phased with two Radio Shack FM outdoor antennas spaced 7 feet apart 30' AGL and an Archer FM-TV-UHF indoor portable amplified antenna phased thru 3 variable attenuators, two "capacitors in a box" and a Radio Shack "Variable Interference Eliminator". Both outdoor antennas are run through Radio Shack most mounted amps. (IN CAR: Kenwood KRC-430 w/2 110 kHz filters). All times approximate

### NOVEMBER 1992 DX

#### 26 TrS

2345 WENU 101.7 NY Hudson Falls, mixed WRCZ had "North Country Weather"

#### 30 MS

0113 WROV 96.3 VA Martinsville, "Southwest Virginia's Rock and Roll Sta. 96.3...."

### DECEMBER 1992 DX

#### 1 TEs

1510 WQIX 100.9 NY Horseheads, Country 101 in out w/WEZG N. Syracuse in Jefferson, NJ, still on the NYC side of the mountain. Several days later at home had nice mix of WEZG, WAAI Hurlock MD, WNNT Warsaw, VA and WKLI Albany

#### 3 Trs

1317 WUSQ 102.5 VA Winchester, Q102, first thought it was Buffalo.

1506 WNBT 104.5 PA Wellsboro, local ad

2012 WPIG 95.7 NY Olean, c/w, local mentions Still can't get WZZV.

#### 11 MS

2209 WALZ 95.3 ME Machias, ".WALZ.."

#### 15 Tr

0150 WRWZ 93.3 NY New Paltz, Hudson Valley's Z-Rock

1319 WANV 99.7 VA Staunton, "Power Oldies" ads

1355 WWMD 104.7 MD Hagerstown, solid o/WSPK

1359 WARX 106.9 MD Hagerstown, Oldies 106.9

1417 WQZK 94.1 WV Keyser, Q94 Rock Shop, traffic warnings from WV State Police

NEW STATE, #34 (+DC)

1505 WKQO 106.1 MD Cumberland, K-GO 106.1 am

### DEC. 20 Es

0025 KWMG 93.5 NE Columbus, "Nebraska's Rock and Roll" 0020-0040 solid. NOTE 1

0335 WIZM 93.3 WI LaCrosse, Z93, lcl ads

0343 KJK 96.5 MN Fergus, KJ96 country

0359 KJZ 90.1 MN Collegeville, ID, calls

0400 KCCD 90.3 ND Fargo, ID, calls, not stereo, see NOTE 2

0403 KKS 96.7 MN St. Cloud, ads

0413 WWIO 98.1 MN St. Cloud, 98 Country

0429 KFGO 101.9 ND Fargo, New Ctry 102

0433 KQHT 96.1 MN Crookston, Magic 96

"What's Grand Forks favorite station?"

0442 KLLZ 99.1 MN Walker, ads mentioned Bemidji, thought I heard Power Loon

### JANUARY 1993 DX

#### 2 GW

2000 WGUY 102.1 ME Dexter, ID rock mx, NOTE 3

Met with Joe Fela while celebrating Xmas with family in N.J. Also hope to meet Bill N. next time in New Jersey. Maybe get in some pinball! Putting up 75 foot tower this summer. Will load it up with TV, FM and ham antenna

NOTE 1: Solid signal, but they wouldn't answer their phone

NOTE 2: Didn't miss the calls or location. Used to be KYIY?

NOTE 3: Hooking up studio equipment 2/1/93 projected air debut, oldies format



Jeff Kadet-Macomb, Illinois is our reporter. Equipment: ICOM R7000 with video adapter; Zenith N1310 13" color set. Screened Channel Master 7' dish and RDX UA-900 UHF preamp, feed is .500" aluminum hardline, antenna up 85 feet. Channel Master 1110 Quantum with Winegard PA-1975 VHF preamp, feed is .500" aluminum hardline, antenna up 80 feet. Winegard 5 element lo-band yagi (vertically polarized) with RG-11 feed, antenna up 18 feet.

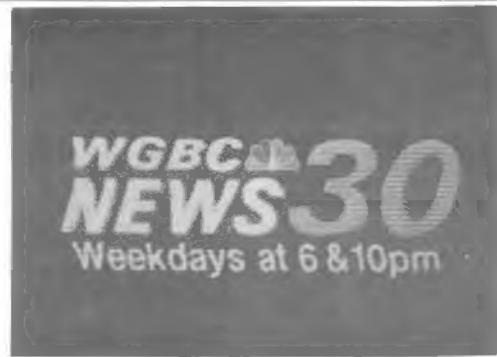
WSYT-68  
Syracuse  
New York

765 mile tropo  
seen August 21, 1992  
at 0227 CDT



WGBC-30  
Meridian  
Mississippi

572 mile tropo  
seen September 12, 1992  
at 0445 CDT



WIIQ-41  
Demopolis  
Alabama

580 mile tropo  
seen September 12, 1992  
at 2200 CDT



continued to page 2....

MAILING ADDRESS:  
PHOTO-NEWS  
12284 Nice Road

FEBRUARY 1993  
Jeff Kadet's foto file continues....

PAGE TWO **PHOTO-NEWS**  
**WTFDA**

**WHLT-22**  
Hattiesburg  
Mississippi

645 mile tropo  
seen September 12, 1992  
at 2300 CDT



more from Jeff next time.

by  
Jim  
Dietrich,  
Derby  
Kansas

This prototype (photo at right-djn) 10 foot antenna is being tested, here with the Channel Master feed. Total weight of the reflector is 25lbs. using 1/2" (0.71" actual OD) steel electrical conduit, 1" chicken wire surface and wood "X" mounting. Design was with low weight and low wind resistance in mind. The inside mounting adds strength and provides a balanced mounting point. Plan is to leave it at 20 feet and see how it stands up to the winter weather, then build a 12 foot version using lightweight materials (aluminum). Does anyone know of any aluminum screening that is of similar dimensions to the 1" chicken wire?

By the way, the Channel Master feed works OK except that the VSWR goes up at the low end reaching 3.1 at channel 14. I'm presently using a proprietary design that maintains a 1.2 VSWR over the entire UHF band.



Jim, keep us updated by word & photo on your progress.

Many thanks to WESTERN TV-DK editor Fred McCormack  
for forwarding Jim's report.

Till next time, **DAVE**

# WESTERN TV-DX

February 1993

1993 closed with December providing a few 500 mile plus tropo opening and a smattering of E skip. Interestingly, the only 500 mile tropo reported was seen on the 8th and the 13th and on both dates in widely separated locations. On the 8th, Bill Draeb was seeing Tennessee and Jeff Kruszka was seeing Florida. On the 13th, Bill was seeing Alabama and Jeff was again seeing Florida. Bill Eckberg started the new year with tropo to Alabama on New Year's Day.

E skip was reported on December 5, 7, and 17-21

New\_ New Mode\_ Tent. - t Unidentified - unid S/On - + S/off - =  
 ID Color Bars - # Unid Color Bars - % Misc. Test Patterns - &  
 Parallel Programming - // MTS Stereo - \$

NL Nuevo Leon TA Tamaulipas GU Guatemala

CHA Channel America HSS Home Shopping Spree  
 GLA Galavision UNI Univision  
 HSC Home Shopping Club VJN Video Jukebox

Fernando Garcia, Apartado 30, Suc. 8, Cd. Guadalupe, N.L., 87181, Mexico HCM

Equipment:  
 Sony KV27R(27"), Archer V-185 and V-8 UHF array at 30', Archer 15-1108  
 amplifier and rotor.

**October 1992**

5 tr 0815 KTRV 26 TX 410	13 tr 0659 WHPV 21 AL 845	14 tr 0700 WVLA 33 LA 640
0618 KETH 14 TX 410	0700 WBHS 50 FL 1088	18 Es 1630 Cuba channel 3
0620 KTXH 20 TX 410	0715 KADN 15 LA 584	1640 Cuba channel 2
0625 KTMD 48 TX 404	\$unid ch 30 NBC	1700 Cuba channel 4
0628 WVLA 33 LA 640	0730 K82DW 62 LA 584	1715 unid ch 3 XEW
0635 KXLN 45 TX 373	(Lafayette LPTV)	1735 TGV 3 GU 1019
9 tr 0610 @KVO 48 TX 131	0735 K59DG 59 LA 640	19 gw 0115 XEFE 2 TA 131
( See Note # 1 )	(New Orleans TBN)	(See Note # 6 )
10 tr 0720 KXAM 14 TX 392	0738 WEIQ 42 AL 845	22 Es 2110 TGV 3 GU 1019
2215 XHOR 14 TA 155	0739 WIQ 41 AL 870	24 tr 0215 KADN 15 LA 684
12 tr 2225 KTFH 49 TX 423	0740 WAPI 16 MS 762	0220 K21DM 21 LA 584
2230 KTMD 48 TX 404	0745 unid channel 62	0300 WVLA 33 LA 640
2232 KXLN 45 TX 373	( See Note # 4 )	0550 K21DK 21 TX 370
2240 KLAX 31 LA 606	0746 WMAW 19 MS 752	(Giddings KXAN-38)
2242 KTRV 28 TX 410	0747 WMAV 17 MS 870	0400 K40CT 40 TX 325
2245 KHTV 39 TX 410	0748 K21DM 21 LA 584	(San Marcos KXAN-36)
2250 K47DF 47 TX 224	(Lafayette LPTV)	0610 K30CE 30 TX 350
(Corpus Christi LPTV)	0750 WVLA 33 LA 640	(Austin UNI)
13 tr 0425 WDBD 40 MS 752	0754 K39BJ 39 LA 822	0815 KXAN 36 TX 354
0430 K46CH 48 LA 640	( See Note # 5 )	0855 KTFH 49 TX 423
(Baton Rouge VJN)	0755 WGIQ 43 AL 980	0658 K47DF 47 TX 224
0445 @WHLT 22 MS 758	0800 WXXV 25 MS 740	0755 KITU 34 TX 491
( See Note # 2 )	0803 W46AV 46 MS 777	0756 K50AO 50 TX 224
0454 @KTLT 18 LA 522	(Pasigalote TBN)	(Corpus Christi LPTV)
0455 @KTMD 48 TX 404	0820 WMAW 14 MS 827	0800 K66EB 66 TX 224
0456 @WLPS 27 LA 640	0821 KVO 48 TX 131	( See Note # 7 )
0520 KVHP 29 LA 622	2203 unid ch 21 TBN	0810 KHSH 67 TX 404
0525 KLP 26 LA 606	2205 WVLA 33 LA 640	0900 \$KHOU 11 TX 410
0545 WFTS 28 FL 1088	14 tr 0320 @WLMT 30 TN 889	0901 \$KTRK 13 TX 410
( See Note # 3 )	0325 unid ch 19 HSC	1000 K56FX 55 TX 224
0550 WNOL 38 LA 640	0335 KTXA 21 TX 622	( See Note # 8 )
0600 KITU 34 TX 491	0558 KLAX 31 LA 606	25 tr 0645 KVDA 60 TX 283
0618 KFDM 6 TX 491	0559 WLAE 32 LA 640	0657 KXLN 45 TX 373
unids 36, 45, 58 (All TBN)	0600 KLP 25 LA 606	0658 KADN 15 LA 584
0630 WLAE 32 LA 640	0630 KADN 15 LA 584	26 tr 0620 KLP 24 LA 584
0630 unid ch 20 NBC	0631 WGO 28 LA 640	0623 K21DM 21 LA 584
	0632 WLPS 27 LA 640	0625 KADN 15 LA 584
	0640 WLOX 13 MS 758	0640 KTRV 26 TX 410

Fred McCormack  
 PO Box 55666  
 St. Paul MN 55165-0666  
 (612) 735-6880

Deadline: 03-11-93  
 Cut-off: 12-01-92

## Western TV-DX

February 1993

Fernando Garcia (continued)	November 1992	December 1992
28 tr 0645 KITU 34 TX 491	2 tr 2130 WGNO 26 LA 840	23 tr 0610 KETH 14 TX 410
0650 W19AW 19 LA 640	2131 KTRV 26 TX 410	0630 KTRV 26 TX 410
(Baton Rouge LPTV)	2200 WLAE 32 LA 640	0700 KXLN 45 TX 375
("WBLT")	2215 WNOL 38 LA 640	
0700 WBLT 22 MS 758	2220 \$KMSS 33 LA 608	December 1992
2030 XHOR 14 TA 155	23 tr 0230 KXXV 26 TX 447	1 tr 2158 KEDT 16 TX 224
( See Note # 9 )	0557 WMAW 17 MS 870	Most Houston Us
2100 KLTJ 22 TX 404	0610 KLPB 24 LA 584	4 tr 0600 KVUE 24 TX 354
2130 KHOU 11 TX 410	0617 WGBC 30 MS 827	0610 KRRT 36 TX 285
27 tr 0600 KVHP 29 LA 522	0628 KHTV 39 TX 410	5 Es 1540-1765 unids 2,4 to
0615 KHTV 39 TX 410	0830 \$WBLT 22 MS 758	Central America
0628 \$WBLT 22 MS	9 gw 2140 XH-- 3 NL 4	7 Es 1945-2020 unids 2,4 to
( Local University LP )	( See Note # 10 )	Central America
0630 KADN 15 LA 584	19 gw 0800 \$XHMMU 53 NL 19	9 tr 0605 KVUE 24 TX 354
0700 KLTJ 22 TX 404	23 tr 0525 KPRC 2 TX 410	0610 unid 22 TX GLA
28 tr 0645 KPRC 2 TX 410	0555 KPLC 7 LA 522	San Antonio Us
0600 KLTJ 22 TX 404	0559 KTXH 20 TX 410	0630 KAVU 25 TX 283
31 tr 0700 KXXV 25 TX 447	0600 KLTJ 22 TX 404	0710 K66EB 66 TX 224
		0715 KEDT 16 TX 224

Note # 1 - Transmitter signal under test, new for McAllen Univision.

Note # 2 - "South Mississippi's Most Watched Station".

Note # 3 - Local out, snow free, FOX network, my longest UHF tropo to date.

Note # 4 - Home Shopping Club, Keystone Inspirational Network. (Jeff Kruszka has reported K52CQ, Baton Rouge, carries Keystone, fm)

Note # 5 - Continuous weather info for southeastern Louisiana, KBJ-39, Morgan City.

Note # 6 - Relaying XHGC-5 movie, local messages.

Note # 7 - Telemundo Corpus Christi, relays in Alice & Kingsville 13.

Note # 8 - KFTS?, channel 55 for Corpus Christi (gospel), Spanish at 1030.

Note # 9 - IMEVISION-13, Matamoros.

Note # 10 - New relay station for local XEFB-2 with 500 Watts at top of Saddle Mountain, 5900 feet above sea level, local pest.

I want to apologize because of my last report, reception of KLNE-3 on August 2nd was by E skip.

(Fernando, I presume the channel 22 with Galavision logged on December 8th at 0610 was K22BH, Corpus Christi. There is a problem with the call letters/channel for your loggings of WMAV-17, WMAV (Oxford) is on channel 18, WMAU (Bude) is on channel 17. The distance you show suggests WMAV-18, but I am not sure. fm)

William Eckberg, 1032 Sterling Road, Dixon IL 61021

CST

Equipment:  
 1988 Zenith b&w tube receiver ch 14N22, modified Zenith 176-2225 distant tuner.  
 Rohn tower - Channel Master 1110 at 41'. Rohn crankup tower - Channel Master 7 foot dish with RDX Labs UA900 (round) preamplifier at 52' and 125' of Jerrold CAC11.

October 1992	December 1992	January 1993
1 tr 0420 W29BG 29 IL 129	19 Es 1820 KPRC 2 TX 893	2155 WEDU 3 FL 1031
(Decatur TBN)	1900 WQBH 2 MA 918	
7 tr 0530 KARD 14 LA 651	1915 KOB 4 NM 1026	
0544 WXMT 30 TN 408	1920 KME 5 NM 1026	1 tr 2030 WXMT 30 TN 408
18 Es 0040 WESH 2 FL 985	1930 KENW 3 NM 912	2200 WBNG 42 AL 582
22 Es 0450 KSAX 42 MN 404	2000 KNAZ 2 AZ 1258	

John Ebeling, 9209 Vincent Ave S, Bloomington MN 55431

CST

Equipment:  
 All transistor Zenith Model E2055L (chassis 19EB12) dating from about 1954 or so, with built in monopole antenna. Located in basement.

E skip was active on December 17, 1992 from about 2155 to about 2320. Logged KYW-3, Philadelphia at 2235, with cci on channels 2-5. E skip did not reach FM.

On December 20th, noticed E skip while watching channel 5. This opening lasted from about 2145 to 2345 (channel 5 still showing cci at 0030). Very active, but sporadic

John Ebeling (continued) reception. On channel 3 had WSTM-3, Syracuse, giving central New York weather. At times, picture was snow free! Low band TV channels were alive and opening made it to the FM band with an MUF of 107.3 MHz noted. FM loggings were from Massachusetts, New York, New Jersey, and Ohio. Channel 3 earlier had CBS programming, so not knowing Syracuse's network, I may have had several good channel 3 stations in at the start.

William Draeb, Ellis St., Rt. #2, Kewaunee WI 54216 (414-388-2350) \* CST

## Equipment:

7" Finco dish, B-T CMA-Ub preamp @ 93°, .750 cable. Stacked Finco high band yagis @ 100° with RG/11 cable. Second tower, 40°, with Winegard CH-2026 (lo-band) yagi. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40° tower). Panasonic 9" b&w portable.

**November 1992**

10 tr 2050 W23AT 23 IL 175 (Chicago LPTV-Polish)	8 tr 2010 WSBN 47 VA 580	13 tr 1932 WKPD 29 KY
11 tr 1728 W42AF 42 WI 80 (Ripon TBN)	2026 WMSY 52 VA 605	WEWV 44(KY) 455
( See Note # 1 )	WKON 52 KY 430	WEIU 51 IL 345
1730 Toronto 41,47,57	Louisville 15,32	W30AL 30 IL 200
Buffalo 29,49	8 41	(Plano - CHA)
Lower ON Us	WKHA 35 KY 550	W39BH 39 IL 300
CITY2 31 ON 350	WNYT 25 KY	(Champaign HSS)
1908 W44AG 44 PA 410 (Erie TBN)	WXIX 19(OH) 400	W2AAI 24 IN 190
W33AX 33 WI 135 (Madison TBN)	WNFET 33 NC	(Michigan City )
Rockford 62,68	WCET 48 OH 400	( See Note # 2 )
1915 WSEC 14 IL 355	KSAX 42 MN 385	WINM 63(OH) 245
13 Es 0840 unids chs 2-4	KAMB 22 MN 365	( See Note # 3 )
21 Es 0946 unids chs 2-4	WLKY 32(IN) 430	W66BD 66 IN 260
1935 unids channel 2+	WDRE 41(IN) 430	(Fort Wayne TBN)
26 Es 1955 KACVt 2 TX	(Snow free)	1934 WOSU 34 OH 375
KENW 3 NM 1145	WGRB 34 KY 515	W68BPT 68 OH
KANR 4 TX 986	WTWQ 38 KY 470	(Dayton TBN)
27 tr 1903 W42AF 42 WI 80	WKLE 46 KY 480	2029 WMAT 63 OH 405
KSAX 42 MN 385	WCET 48 OH 400	2101 WSFJ 51 OH 405
KYRRT 15(MN)	WAFF 48 AL 575	WCBDT 2 SC
30 tr 1905 KAMB 22 MN 365	WCVN 54 KY 405	WFMY 2 NC
WDSE 8 MN 275	WETR 64 OH 400	unids chs 2-4 na
WDIO 10 MN 275	WKWJ 68(IN) 430	French
KNSP 9 MN 280	W40AK 40 MI 110	1810 KPRC 2 TX 1115
1935 CIC9st 9 ON	(Muskegon CHA)	KIIIt 3 TX
WIRT 13 MN 330	1827 WKSOT 29 KY	KGBt 4 TX
	1848 WUSI 16 IL 390	1855 KRGVt 5 TX
	WVUT 22 IN 400	1906 KBTX 3 TX 1065
	W23AT 23 IL 175	1915 KENW 3 NM 1145
	WKGB 63 KY 510	KOBt 4 NM
	WPKM 35 KY 500	KAMRt 4 TX
	WFIE 14(KY) 455	1959 KDBC 4 TX 1345
	WEHT 25(KY) 455	

**December 1992**

8 tr 1854 WPBO 42 OH 455	1916 WPKM 35 KY 500	
WOSU 34 OH 375	WFIE 14(KY) 455	
2010 WKPT 19 TN 620	WEHT 25(KY) 455	

Note # 1 - Weaker than when they were carrying scrambled movies a few years ago.

Note # 2 - Parallel to WTLJ-54 with 616-895-5454 phone number on screen. (Bill, are you sure you weren't watching Tri-State's W2480, Kalamazoo, instead of Michigan City? fm)

Note # 3 - W66BD also on ID slide along with 618-997-1851 phone number.

The off season E skip proved interesting. Some tropo activity, but not much due to single digit above and below zero weather. Good thing it didn't last real long as temperatures rose to upper 30s between cold snaps.

This kind of weather froze up my rotor on big tower for a few days. When we had warmer temperatures, it rained and then it turned cold and froze up the rotor. I crawled up there yesterday (it was 12° with a stiff wind at the time) to confirm my suspicions. The bearing at the top of the tower which holds the mast was iced up and wouldn't turn, so I squirted some WD-40 on it hoping the ice would dissolve, but it didn't.

That's all for now. 73, Bill

Jeff Kruszka, 2824-E Steamship Circle, Marahan LA 70123 (504-733-8539)

CST

## Equipment:

1992 Zenith "Sentry 2" 13" color TV (Model #B1318S). UHF: RDX Labs UA-900 preamplifier, Channel Master 4228A 8-bay @ 30°. VHF: Rabbit ears and quad loops for channels 2 and 5. Mitsubishi HS-U31 VCR.

November 1992	B tr 0559	WNFT	47 FL	514	17 tr 0830	WXTXT 54 GA
9 tr 2130 KHOU 11 TX 319	0624	WTWC	40 FL	357		"Fox 54"
22 tr 0137 WXXV 15 MS 258	1654	KLRT	16 AR	381	0835	WAFF 48 AL 382
25 tr 0610 WTJP 60 AL 345	1700	KETK	56 TX	336	0838	WTJP 60 AL 345
0618 W45AA 45 MS 90	1923	KTXH	20 TX	319	0839	KHSH 67 TX 318
(Columbia WMAH-19)	2136	WTQG	44 FL	499	0842	KTMD 48 TX 303
0623 WLOV 27 MS 273	12 tr 1811	KLRT	16 AR	361		KXLN 45 TX 319
0625 WNAO 23 MS 238	13 tr 0100	WBHH	20 FL	554	0900	WBNG 42 AL 315
(// WMAU-17)		WHOA	32 AL	286	18 Es 1230	unid 3 ABC
0700 WBNG 42 AL 315	0118	WBHS	50 FL	499	1500	unid 2,3 SS XEW
30 tr 0114 WDBB 17 AL 294	0119	WFTX	36 FL	552	tr 2323	KLTV 16 AR 361
0125 WBHH 20 FL 554	0145	WINK	11 FL	554	2326	KTHV 11 AR 361
	0607	WPTV	24 TN	363	19 Es 0846	unid 2 PBS
	0619	WLMT	30 TN	360	1718	KGAN 2 IA 857
	0650	KTEJ	19 AR	412		unid 3
7 tr 2212 WJSP 28 GA 380	(See Note)				2159	unid 5 CBC
8 tr 0530 WFXL 31 GA 387	WHDN 18 AL 303	0651	WMAV 18 MS 301		2236	KWGN 2 CO 1084
		0531 WJKS 17 FL 514	(// WMAH-19)	20 Es 2356	unids 2,3 weak	
		0555 WNOA 32 AL 286	14 tr 1925	21 Es 2050	unid 2 weak	

Note - Saw "AETN PBS AR" floating under WMAH-19.

Finally got a couple of good openings to Fort Myers/Cape Coral. The E skip was pretty weak this month, nothing to get excited about.

# NASWA ANNUAL WINTER SWL FESTIVAL

The weekend of February 18th thru 21st will be time for this year's North American Shortwave Association Winterfest. Fast becoming THE annual DX event in the U.S., over 200 DX hobbyists of all types are expected to attend by organizers. The WINTER SWL FEST takes place outside Philadelphia at the Holiday Inn on Sumneytown Pike in Kulperville, PA; that's at Exit 31 of the PA Turnpike NorthEast extension/Lansdale Interchange. Further info is available from: Winter SWL Fest, PO Box 591, Colmar PA 18915. Up-to-the-minute info on the event can be heard on ANARC's SWL Ham net, 7.240 MHz LSB on Shortwave, 10:00 AM Sunday mornings. Locals in need of info can contact Dan Cashin at (215) 446-7831. Dan will be there with information handouts on WFTDA--and there'll be plenty of info on other DXing clubs and products, as well as some great forums at the Festival, too!

# EASTERN TU-DX

(NEW EDITOR NEEDED!)

A NEW EDITOR is needed for this section of the UHF-UHF DIGEST. If you would like to volunteer, contact the club publisher via P.O. BOX 514, BUFFALO NY 14205-0514 DXers: hold on to your reports until a volunteer comes forth. NOW, on to the reports forwarded by departing editor BILL NIENAJADY.

Robert Grant (KD8EN), 8226 Beaverland, Detroit, MI 48239. (313)RE.0-8966  
 Equipment: 1991 Zenith 27" color, Winegard TV-7052 825', RG-6  
 September, 1992:

2 Tr 0300 WILL-12 IL 322	5 Tr 0220 WCPG-9 OH 232	14T0155 WFLH-23 IL
WGN-9 IL 225	0240 WLFI-18 IL 218	0200 WGN-9 IL 225
5 Tr 0000 WCML-6 MI 204	0255 WISN-12 WI 243	WCIU-26 IL 226
WCIU-26 IL 226	0256 WLUK-11 WI 283	32,44 IL T
WFLD-32 IL 225	0259 WAOW-9 WI 370	0234 WAND-17 IL 330
WSNS-44 IL 225	0306 WVTW-18 WI 240	0255 WTVA-9 MS 670
WEHS-60 IL 226	0400 WEAU-13 WI 418	
WTJC-26 OH	WITI-6 WI 240	WMCT-5t TN T
WCFC-38 IL T	KARE-11 MN 530	(SSW, 0-WEWS)
0037 WPTD-16 OH 188	(see note 3)	0312 WTAJ-10 PA 280
0100 WMCC-23 IN	13 Tr 0040 CKCO-3-11 ON	WPTA-21 IN 130
0200 WWUP-10 MI 264	WJFW-12 WI 376	
WGTO-8 MI 263	(see note 4)	0400 WPWR-50
(see note 1)	1920 WBRE-28 PA 390	WJYS-62
GW 0200 W26AB-26 MI	WYOU-22 PA 390	26T0550 CFTO-9 ON 215
(see note 2)	14 Tr 0030 CKCO-3-11 ON	0600 WOKW-13 WV 270
		WSWP-9 WV 328
		Oct. 6T0001 WPXI-11 PA 210

## NOTES:

- #1: A real surprise, this station eluded me at my old east side place for 12 years of DXing, yet I log it here, which should be a much worse location (WXYZ-7 is abt 8 mi. "head-on" to WGTO here, compared to 16 mi. at about 70° off at the old place)
- #2 W26AB (Detroit, CHA) had been off the air for more than two years, suddenly reappeared, then disappeared again after less than one month!
- #3 A nice opening, every time I asked it for more distance, it gave KARE was the best Tr from the old east side place (now I'm about 10 mi. closer to it) nice for only 4 mo. here
- #4 A strange opening, no sign of anything else at all besides these two, both were fading in/out, no sign of any Wausau or Sudbury area DX!

Ed Phelps (NN2E) Et 2 Box 266 Benton, Ky 42025 502 527 2289 24 hrs 10/28/92

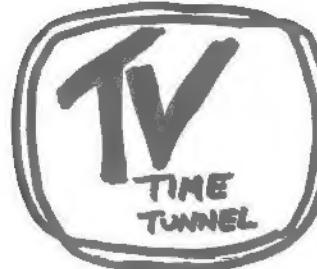
9/11 W59AF AL 160	9/20 W20AS KY 250	9/29 WFLA 33 LA 481	9/29 KPOM 24 KB 332
9/17 W68AA IL 220	W4IAZ KY 250	KOKH 25 OK 517	10/26 WURI 34 GA 500
W68BD IN 338	9/23 WPGD 50 TN 100	WKHA 35 KY 264	WKEP 22 KY 321
W45AG IN 338	9/29 WGMB 44 LA 481	KOZJ 26 MO 342	Total now 629 loggings

Thanks to Doug Smith for helping me with W59AF. They are in Russellville, AL. They use their call letters on screen but don't say where they are. W59AF was running TBN. W68AA in Danville, IL runs the same programming as WAND 17 in Decatur, IL. WPGD 50 is in Hendersonville, TN. They went on the air 9/23/92 and call themselves Sunlight Broadcasting or some such thing. Of course, they run TBN programming. Just what we need... more TBN stations. You can only see about 50 of them from here on an average day. Now all we need are a few more home shopping stations. WURI 34 is in Barley, GA. A call to the station revealed that they went on the air 5/1/92, are an independent, and run 360 some KW. I spoke with Ron Evans K5KX at KHOG 29 Fayetteville, AL and he tells me that power output has gone up from 700 some KW to 1.4 meg. Their signal is better here now.

William R. Hepburn 35 Lockwood Rd Brampton ON L6Y 4T7 (CEDIT)

Equipment: JVC HR-D630U VCR w/attic VHF dipoles & 2nd Floor UHF 4-bay

September 1992	September 1992	October 1992
20 Tr 1802 WKEF 22 OH 357	24 Tr 0804 WANE 15 IN 328	08 Tr 0419 WRGT 45 OH T
24 Tr 0804 WDFC 38 IL 416	25 Tr 2158 WJRI 12 MI 217	0438 WKEF 22 OH 357
0606 WFLD 32 IL 416	2347 WOKW 13 MI 250	07 Tr 0053 WSTR 64 OH T
0608 WNDU 16 IN 357	(See Note # 1)	0459 CKHS 16 ON 106
0609 WHME 46 IN 355	26 Tr 0536 CICA 13 ON 112	(See Note # 2)
0632 WYCC 20 IL T	October 1992	0502 WKEF 22 OH 357
0702 WCIU 26 IL 417	04 Tr 0422 WNDU 16 IN 357	0846 WNDU 16 IN 357
0758 WFWA 39 IN 328		



WRITTEN BY TOM BRYANT, 849 TOOD PREIS DRIVE, NASHVILLE, TN 37221 (615) 546-2000

This month's column was inspired by a letter from Paul Swearingen of the National Radio Club. The focus of his comment was the fact that neophyte dxers are often awestruck by catches most of us consider commonplace, or even boring. He pointed out that newcomers need all the help they can get; and that the clubs and individual members should do everything in their power to see that they get it. I agree 100%!

## BACK TO SQUARE ONE

I'd be willing to lay pretty steep odds that most dxers retain vivid memories of their first encounter with skip. It might have been a 1000 mile E hop or a 200 mile tropo catch. Regardless, it was a real eye-opener...a mind-blower! Right there on your TV screen was something that shouldn't have been there...you didn't know why it came in...and most likely didn't care. The important thing was that you saw it! You had sampled the forbidden fruit of the airwaves. The taste was sweet...you searched for more...and more...and more! You were hooked. Probably, without even knowing the term, you had become a dixer.

My introduction to TV dx occurred in the summer of 1953. Our first area station was still six months away from sign-on, but a local store was already selling antennas and sets, and kept one on in spite of the lack of a reliable signal. It was at Wentz Furniture, where I first saw a picture begin to take form on channel 2. Then...there it was...a commercial for Boomerishine Motors (the guy had a thick Southern accent and pronounced it 'Boo-muh-shan') immediately followed by a station break. Holy smokes...it was coming from Atlanta, GA...all the way up to Napoleon, ND! The image burned into my mind as if it had been stamped with a hot branding iron!

A few months later we got a set at home and I logged the likes of Seattle, Los Angeles, Phoenix, Montreal, Baton Rouge, and Greensboro. Every new catch was a thrill, but it was a lonely ecstasy...no one else seemed to give a tinker's damn about my 'stupid' hobby.

Oh sure, I eventually learned a little more about propagation and found a few people who knew more about the hobby than I had managed to eke out on my own; but it wasn't until 5 years ago...after 35 years of dxing...that I was shepherded to the WFOA Flock by NJ dixer Bill Burrows.

A lifelong dream had been fulfilled! I was finally in touch with people who actually enjoyed dxing! The ultimate perk came unexpectedly when I read in the VUD that a Wisconsin dixer, Doug Smith, had moved to Nashville. A phone call started the ball rolling for what has been one of the most rewarding hobby-oriented relationships of my life.

Boy, did I luck out! Here was a guy who is not only a gung-ho TV dixer, but also active in AM (a long-time favorite of mine) and FM. He's a gold mine of technical information and a walking encyclopedia of general information. Thanks to WFOA, my days as a 'lone wolf' dixer are over.

These recollections may well be similar to yours, and I brought them up for a reason. We should never forget that we were all beginners. With the spread of cable and the disappearance of outside antennas, odds are that fewer and fewer newcomers will discover the mystique of the airwaves that we take for granted. As an organized hobby, TV dxing is an endangered species; and it's up to us to help keep it alive by encouraging and promoting interest at every opportunity. It's a sobering thought and a heavy responsibility.

Somewhere out there, there's a young Bob Seybold just waiting to be discovered. Will you be there? Will he be able to find you? Let's hope so on both counts. He'll need your help and encouragement.



Doug Smith  
14 Brookside Court  
Nashville, TN 37209  
615-356-8305  
CIS 72777,3143

Abbreviations used in this column:

ERP= Effective Radiated Power, in kilowatts  
HAAT= Height Above Average Terrain, in meters  
AAT= Above Average Terrain  
AG= Above Ground  
ASL= Above Sea Level  
nc= no change  
TL= Transmitter (and tower) Location  
CP= Construction Permit  
MP= Modification Permit (modification of CP)  
\*= Non-commercial  
CRTC= Canadian Radio-TV Commission

#### APPLICATIONS FOR NEW TV STATIONS:

St.	Ch.	ERP	HAAT	City: Applicant
WY	*6	316kW	356m	Laramie; Central Wyoming College (licensee of KCWC-#4 Riverton)

#### APPLICATIONS TO CHANGE EXISTING STATIONS:

St.	Ch.	ERP	HAAT	Call	City
AZ	21	1496kW (was 646kW)	nc	KPAZ-TV	Phoenix
CO	*6	292m	KRMA-TV	Denver	
		(TL: 39°43'49"N, 105°15'00"W; 4km SW of Golden, very close to existing site. Was 280m.)			
NM	48	1496kW (was 5000kW)	nc	KZIA	Las Cruces
TN	*45	1524kW (was 1480kW)	328m	WTCI	Chattanooga
TX	49	4227kW (TL: 30°15'45"N, 95°14'50"W; 19km SE of Conroe. Was 4070kW.)	359m	KTPH	Conroe
VA	29	nc (was 366m.)	363m	WWIR-TV	Charlottesville

#### CHANGES GRANTED TO EXISTING STATIONS:

St.	Ch.	ERP	HAAT	Call	City
AL	45	619.4kW (was 603kW)	nc	VMCF-TV	Montgomery
CA	39	2500kW (was 2000kW)	nc	KNSD	San Diego
IN	63	1374kW (was 5000kW/145m)	144m	VIEN	Angola
TX	14	3236kW (TL: 30°40'36"N, 98°33'59"W, 12km SE of Llano off TX-71.)	269m	KXAM-TV	Llano
		(was 5000kW/524m)			

#### CALL LETTER CHANGES FOR EXISTING STATIONS:

St.	Ch.	City	Vas	Now
NK	2	Santa Fe	KKTO-TV	KASA-TV

#### CALL LETTERS ASSIGNED TO NEW STATIONS:

St.	Ch.	Call	City: permittee
SC	55	WFVT	Rock Hill; Rock Hill Broadcasting Corp.

#### OTHER STUFF:

The single-column format is temporary; my printer died; the word-processing software I normally use doesn't have a driver for the replacement printer; and the software I'm using for this month's column doesn't support multiple columns. Anyone out there willing to sell a printhead for an Epson LQ-500 at a reasonable price? Epson gets \$150...)

The change information for KXAM-TV above listed the station as being on channel 77! Where they got that from, I've no idea-- all past information on this station (including conversations with their former CB) indicate they are indeed on channel 14...).

I also note with interest the call change for KKTO-2. I'd speculated this station would become KGSW and replace channel 14 as the Fox affiliate for the Albuquerque market-- but given that KASA "misspells" something in Spanish, and Albuquerque has a substantial Hispanic population, might this become a Spanish-language station??

The Supreme Court has agreed to hear a radio case with implications for TV stations near state lines. Currently, broadcasting stations are only permitted to air commercials for state lotteries if the state to which the station is licensed has a lottery. In the case in question, WKOC(FM) Elizabeth City, N.C. (which serves the Norfolk, Va. market) has asked the court to allow the airing of commercials for the Virginia Lottery, currently prohibited since North Carolina doesn't have a lottery.

KDKA-2 Pittsburgh has reportedly decided to preempt CBS's afternoon programming to carry the two-hour Disney Afternoon cartoon show.

ChicagoLand Television News, that city's 24-hour local cable news channel, was scheduled to begin operations in early January, serving 600,000 area cable subscribers.

Zenith and Goldstar have jointly developed a HDTV VCR. The machine is to become available in 1996; will use regular S-VHS cassettes; and will retail for about \$1,000.

Game-show producer Mark Goodson has died of cancer. Goodson was 77. Among many other programs (the Guinness Book of World Records lists him as "the most prolific producer in television history"), he produced Family Feud and The Price Is Right.

Also, KSTP AM/FM/TV founder Stanley E. Hubbard has died at age 95. KSTP-TV was the first NBC affiliate not owned by the network. (It's now switched to ABC) Hubbard's company (now run by his son Stanley S. Hubbard) expects to pioneer DBS satellite broadcasting in early 1994. And, Hubbard is behind the Conus Communications satellite-newsgathering company and the All-News Channel aired by a number of LPTVs and in late night by full-power stations.

A bankruptcy court in Madison, Wis. is expected to approve a reorganization of Tak Communications. The move would technically change ownership of Tak's five TV stations, but would probably not break up the group. (including WKOW-27, WAOW-9, WXOW-19, and WQOW-18)

Moscow's first independent TV station, TV6, was to begin operation on Jan. 1. Turner Broadcasting and Moscow Independent Broadcasting Co. are operating the station.

A likely candidate for Alfred Sikes' position as chair of the FCC may be in trouble. Antoinette Cook was involved in a partnership that challenged the license of WGMS AM/FM Washington in 1988. In a rather complicated process, her group, RKO (former owners of WGMS), and 8 other applicants (including one 12% owned by Cook's stepfather) reached an agreement to withdraw their applications & allow a 9th applicant to purchase the stations for \$33,900,000. Of this money, Cook's partnership received \$2.1 million, and Cook herself was entitled to roughly 1/4 of that money. This practice was banned by the FCC in 1989, when it limited payments to license-challengers to out-of-pocket expenses. Many such challenges were filed against RKO's stations after the FCC revoked the license of their WHAG-TV Boston. (now WHDH-TV)

## FORUM:

Dave Sinclair, Vancouver BC:

"Referring to your column, December, page 15, I have never understood why television stations drop "TV" from their identification, such as KOIN, Portland." I'm not sure I understand either! Two guesses: First, that the stations don't want some radio station taking up their call (for example, if KOIN had remained KOIN-TV, an unrelated radio station could have chosen the KOIN calls); second, that they wanted to change their graphic look & didn't want to make room for the -TV suffix. But that's strictly speculation.

"In connection with the Bellingham and Anacortes, Washington changes; this is no surprise, and will enable the Christian group and TBN to obtain a full power UHF station for the Vancouver and Victoria markets on channel 24." I hadn't been aware that KBCB was to be a TBN affiliate, but sometimes that's hard to tell from licensee names. Or, the station has been sold in the last year--my database's ownership records are kinda old.

"I suspect that part of the problem with KEBB-32 Salem, Oregon was that they were not on cable anywhere in Portland." Yes, probably true. It's unusual for a new station to get on cable these days, though the lawsuit recently won by KHIZ-64, or the possible implementation of a must-carry law, may change that soon.

Dave sent along some more Canadian news clippings. In the Dec. 24 Vancouver Sun, it's reported that the CRTC has decided to allow Western International Communications to purchase CHCH-11 Hamilton, Ontario. The purchase had been previously approved, but only on the condition that WIC sell either CHEK-6 Victoria or CHAN-8 Vancouver. WIC considered that condition unacceptable; the CRTC felt the CHCH purchase was an opportunity to correct the multiple-ownership situation in the Vancouver market. (CHEK and CHAN have overlapping coverage; both stations put city-grade signals into Vancouver. This is absolutely not permitted in the U.S., and in Canada is only permitted in smaller markets.)

And, in the Dec. 8 Globe & Mail, reports on CRTC hearings on the future of Canadian television; over 300 briefs have already been filed for hearings to be held in March. In what sounds an awful lot like the argument over the retransmission-consent provisions of the U.S. Cable Act, Canadian TV stations are calling on the CRTC to require cable systems to reimburse them for their programming; Canadian Cable TV Association president Kenneth Stein says "We are not willing to discuss a fee for carriage. It is out of order." The "Friends of Canadian Broadcasting" are calling for encouragement of DBS and wireless cable.

Keith Short, Columbus OH:

From the Dec. 15 Cincinnati Enquirer: Does anyone out there remember the pioneer QUBE interactive cable system built in the Cincinnati area in the late 1970s? Well, it is no more... As part of an overhaul of Warner Cable's Cincinnati-area systems, the QUBE converter boxes are to be replaced with new units, and coaxial trunk lines & microwave networks are to be replaced with more reliable, but not interactive-capable, fiber optic links.

Warner had promised that QUBE would be used for live town meetings, local entertainment programs, home education programs, and public opinion polling, but high costs brought interactive functions to an end in 1984.

Keith asks "If fiber optics are replacing coaxial cable, could it not be far off that we'll see a TV antenna hookup for the home using fiber optics?" Probably not; the real value of fiber is in very long cable runs. To run cable TV signals over coax, amplifiers are required at regular intervals; these amplifiers are susceptible to lightning damage, not to mention the other assorted problems that can befall any electronic equipment. Fiber not only can transmit further (requiring fewer amplifiers) but since the optical fiber is made of non-conductive glass, lightning is much less of a problem. For that reason, fiber is commonly used by broadcast stations wishing to transmit video between buildings (both WISC and WSNW use fiber for studio-to-transmitter links, over distances of several hundred meters), and fiber-optic video circuits can be leased from telephone companies.

But for transmission from your roof to your TV, the cost of the RF-to-light and light-to-RF converters needed would probably be too expensive. On the other hand, I can certainly see the day when instead of a coaxial cable entering your home, the cable feed will be on fiber, with the light-to-RF converter being part of your cable descrambler box.

Tom Bryant, Nashville TN:

Tom received another phone call from a Winnipeg-area friend who believes KVRR-12 is not off. CHMI-13 interference and the fact that KVRR isn't on Winnipeg cable make it difficult to tell for sure. He also spoke to someone in Billings who said KSVI-6 (formerly KPQD) was to have premiered in early January as the market's ABC affiliate, with KOUS-4 going dark. Whether this has actually occurred is unknown.

Also locally, W36AK has returned. Looks like TBN isn't paying as much attention to this LPTV now that WPGD-50 is on--WPGD's signal is better in most parts of Nashville anyway.

## CONVENTION:

Make your plans! We promise a good time, interesting tours, an air-conditioned venue, and lots of DX! Feel free to contact Tom Bryant or myself if you have any questions, suggestions, or comments.

## DX:

There's actually been some! The holiday season seems to be the prime tropo season here in the Mid-South. Openings have included (for my feeble antennas) Birmingham, Atlanta, Dayton, plus new Poplar Bluff MO and Jonesboro AR, for two new states. While no 8s has been caught at my location, 50MHz reports are pretty good, so I'm sure there's be plenty in Eastern & Western TV. Speaking of the holiday season, I hope yours went well.

73 Doug

# 1992 TV E-skip Report

## Monthly report:

Month:	Total loggings:	Es days:	Average:
December (1991)	85	9	9.44
January	49	13	3.77
February	7	1	7.00
March	none		
April	2	6	0.33
May	581	29	20.93
June	1102	26	42.38
July	378	26	14.53
August	49	16	3.06
September	3	2	1.50
October	none		
November	2	1	2.00
Annual summary	2258	129	17.50

**Total loggings:** All IDd Es loggings reported to ETV/WTV.

**Es days:** All days on which at least one DXer reported an Es logging (IDd or unID)

**Average:** Average number of Es loggings reported per day.

## Best days:

Date:	Total:	Reporters:	Avg:	MUF:	Max:	FM Rank:
1 May 25:	172	31	5.55	107.9	15	2
2 June 13:	168	30	5.60	107.9	19	1
3 June 14:	133	24	5.54	107.9	24	3
4 June 16:	108	16	6.75	107.9	50	9
5 June 17:	87	24	3.63	107.9	14	4
6 June 15:	78	20	3.90	102.3	18	12
7 July 7:	78	24	3.25	107.3	17	10
8 May 24:	72	24	3.00	107.9+	8	7
9 June 19:	70	16	4.38	107.5	18	6
10 June 18:	61	18	3.39	117.6	15	5
11 May 12:	60	12	5.00	106.3	23	11
12 June 8:	60	15	4.00	6	13	
13 July 18:	60	16	3.75	5	12	
14 May 23:	58	13	4.46	106.3	28	13
15 June 10:	53	14	3.79	104.1	13	18
16 June 5:	49	10	4.90	105.1	14	17
17 June 20:	45	17	2.65	6	10	
18 December 2:	43	12	3.58	102.3	8	
19 July 12:	40	9	4.44	5	10	
20 June 12:	38	14	2.71	6	8	

**Total:** Count of all IDd Es loggings reported this date.

**Reporters:** Count of all DXers who reported Es loggings this date.

**Avg.:** Average number of loggings per DXer this date.

**MUF:** Maximum usable frequency reported.

**Max:** Most loggings reported by one DXer.

**FM Rank:** Ranking of this date in Greg Comiglio's FM Es report.

Doug Smith  
14 Brookside Court  
Nashville, TN 37209-4503

## CONVENTION '93...NASHVILLE---CONTINUED FROM PAGE 2

It's no secret that a lot of WTFDA members are not country music fans. No problem! There's plenty to do and see in this area without getting anywhere near a guitar! For history buffs there are numerous Civil War battle sites and cemeteries. Antebellum homes such as the "Hermitage" (President Andrew Jackson) have been restored and are open to the public. A full-size replica of "The Parthenon" houses art exhibits and statuary.

If you are into country music...this is THE center of the universe! Of course there's that venerable national treasure called "The Grand Ole Opry". On the same property you'll find the sprawling Opryland Theme Park (it takes two days to cover everything). Right next door is the opulent 1800 room Opryland Hotel and Convention Center...worth at least an hour just to walk through the tropical gardens. Adjacent to the Opryland parking lot is the General Jackson Showboat...it's a real paddle-wheeler that carries almost 1000 passengers, and makes several cruises daily. Want more? How about The Country Music Hall of Fame and Museum (including historic RCA 'Studio B' where Elvis and other country superstars recorded hit sessions), Music Row, Tootsie's Orchid Lounge, Twitty City, Printer's Alley, and countless other less famous spots.

Eating? You want it...Nashville has it! This place is almost like New Orleans...it would take a month to eat your way through the better restaurants. Your hosts will be glad to make recommendations.

Summertime weather in Nashville is likely to be hot and humid. No need to bring a jacket or sweater...daytime highs in late July are usually around 90 and nighttime lows between 70 and 75. Everything down here is air-conditioned, so it's really not as bad as you might think...unless you plan to spend a lot of time outdoors. Shorts, T-shirts and swimwear are recommended for maximum comfort.

Well, that's it for your introduction to your 1993 Convention site. We'll be updating this information frequently, but wanted to give everyone plenty of advance notice as to what to expect.

The WFTDA has a history of good-time conventions, and it's our hope that you will leave Nashville with memories of one of the best ever. We intend to allow plenty of leisure time for you to visit our many attractions. Of course, if you just want to hang out at the Convention headquarters, you'll probably have plenty of company.

If you have any suggestions or requests, please let either of us know as soon as possible. After all, this is YOUR yearly gathering, and we want it to include as much as possible of interest to WFTDAers.

Accommodations and registration fees will be announced at a later date. Meanwhile, if you want any tourist information please contact either of us (and let us know if you have specific area of interest).

WE CAN'T THINK OF ANY REASON NOT TO BE HERE...SO START PLANNING RIGHT NOW! LET'S MAKE '93 THE BIGGEST TURNOUT IN WFTDA HISTORY!

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[No collect calls, please. Answering devices on both phones.]